

PATENT
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COVER PLATE FOR CONCEALED SPRINKLER
ABSTRACT OF THE DISCLOSURE

A cover plate for a concealed sprinkler includes a member having at least one passageway section enabling heated air to pass between the cover plate and the sprinkler housing and towards the sprinkler head to permit the timely activation of the sprinkler head. In one preferred form, the passageway section is defined by at least one lip projecting from the periphery of the cover plate, away from the sprinkler head. Alternatively, the cover plate may include a peripheral rim projecting away from the sprinkler head. In another preferred embodiment, the passageway section is defined by one or more undulations formed within the cover plate, each of which define a ridge at the periphery, enabling air to pass therethrough. The cover plate is substantially planar and includes a plurality of mounting tabs upon which a fusible material is applied to adhere the cover plate to the housing of the sprinkler head. The cover plate of the present invention increases the response time of the concealed sprinkler head while maintaining a low profile, discrete appearance so as not to detract from the sidewall or other structure upon which it is supported.

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